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DIALOG(R) File 351:Derwent WPI

Cylindrical positive electrode air-cell with sealed ends - accommodates positive electrode composed of metallic collector layer made of metal mesh, catalyst layer around collector, fluororesin porous layer as air electrode with outer cup and inner cup pressed on top to prevent leakage  
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Number of Countries: 007 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 662731	A2	19950712	EP 94309312	A	19941214	199532 B
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Priority Applications (No Type Date): JP 94283353 A 19941117; JP 93313156 A 19931214; JP 947341 A 19940127; JP 9410940 A 19940202; JP 9412042 A 19940204; JP 9419116 A 19940216; JP 9422281 A 19940221; JP 9429567 A 19940228; JP 94241231 A 19941005

Cited Patents: No-SR.Pub; 3.Jnl.Ref; DE 2345021; FR 2152973; GB 1317214; GB 1459135; JP 5144482; JP 59099657; JP 60054164; US 4066822

Patent Details:

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EP 662731	A2	E	22	H01M-012/06	
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EP 662731	A3			H01M-012/06	
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EP 662731	B1	E		H01M-012/06	Related to application EP 98204139 Related to patent EP 920066

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DE 69425722 E H01M-012/06 Based on patent EP 662731

Abstract (Basic): EP 662731 A

The cylindrical air-cell comprises a metallic collector layer with a catalyst layer disposed on the side wall of the metallic collector (2), and a porous layer disposed on an external surface of the catalyst layer (4). An outer cap-shaped metal cup is fitted to the outer wall of the upper edge of the porous layer.

An inner cap-shaped metal cup is fitted to the inner wall of the upper edge of the catalyst layer. A bent part is positioned on the top edge of the collector layer by bending the upper edge of the collector layer inwards. This bent part is held between the outer cup and the inner cup.

ADVANTAGE - Prevents leakage of electrolyte from gelied zinc negative electrode positioned within positive electrode. Dwg.1,2/14  
 International Patent Class (Main): H01M-006/02; H01M-010/34; H01M-012/06

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